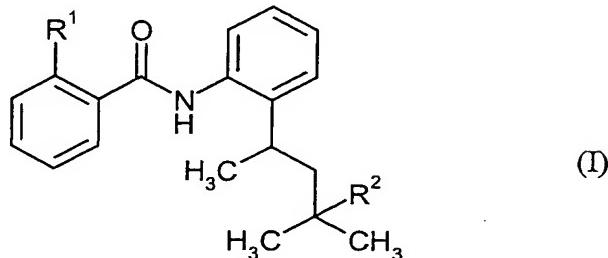


Patent claims

1. Phenylbenzamides of the formula (I)



5 in which

- R¹ represents trifluoromethyl, chlorine, bromine or iodine and
R² represents hydrogen or methyl,
R² furthermore represents ethyl.

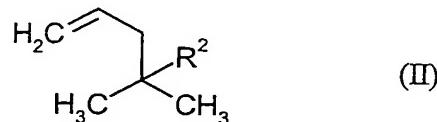
10 2. Phenylbenzamides of the formula (I) according to Claim 1 in which R² represents hydrogen.

15 3. Phenylbenzamides of the formula (I) according to Claim 1 selected from the following group

N-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)benzamide,
N-[2-(1,3-dimethylbutyl)phenyl]-2-chlorobenzamide,
N-[2-(1,3-dimethylbutyl)phenyl]-2-bromobenzamide,
N-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide,
2-(trifluoromethyl)-N-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,
2-chloro-N-[2-(1,3,3-trimethylbutyl)phenyl]benzamide,
2-bromo-N-[2-(1,3,3-trimethylbutyl)phenyl]benzamide and
2-ido-N-[2-(1,3,3-trimethylbutyl)phenyl]benzamide.

25 4. Process for preparing phenylbenzamides of the formula (I) according to Claim 1, characterized in that

- a) in a first step, aniline is reacted with an alkene of the formula (II)

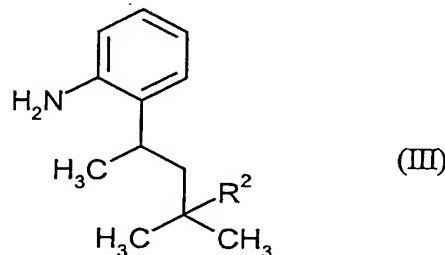


in which

R^2 represents hydrogen or methyl,

5 R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid, and the resulting alkylphenylamine derivative of the formula (III)



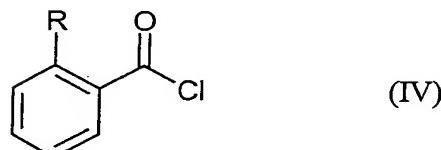
10

in which

R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

- b) is, in a second step reacted with a benzoyl chloride of the formula (IV)



15

in which

R^1 represents trifluoromethyl, chlorine, bromine or iodine,

if appropriate in the presence of an acid binder and if appropriate in
20 the presence of a diluent.

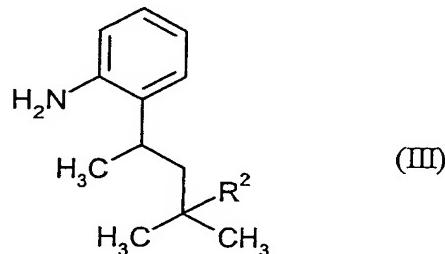
5. Compositions for controlling unwanted microorganisms, characterized in that they comprise at least one phenylbenzamide of the formula (I) according to Claim 1, in addition to extenders and/or surfactants.

5 6. Use of phenylbenzamides of the formula (I) according to Claim 1 for controlling unwanted microorganisms.

10 7. Method for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are applied to the microorganisms and/or their habitat.

15 8. Process for preparing compositions for controlling unwanted microorganisms, characterized in that phenylbenzamides of the formula (I) according to Claim 1 are mixed with extenders and/or surfactants.

9. Alkylphenylamine derivatives of the formula (III)



in which

R² represents hydrogen or methyl,

20 R² furthermore represents ethyl.

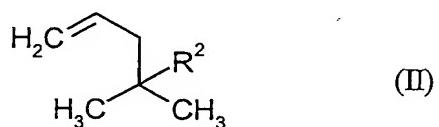
10. Alkylphenylamine derivatives of the formula (III) according to Claim 9 in which

R² represents hydrogen or methyl.

25

11. Process for preparing phenylamine derivatives of the formula (III) according to Claim 9, characterized in that

aniline is reacted with an alkene of the formula (II)



in which

5 R^2 represents hydrogen or methyl,

R^2 furthermore represents ethyl,

in the presence of a base and in the presence of a Lewis acid.